



1ST FLOOR MECHANICAL NEW WORK PLAN
SCALE: 1/4" = 1'-0"

- GENERAL NOTES**
 - NOT ALL DUCTWORK, PIPING, AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING, BUT WHAT WAS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED IN THIS PROJECT REFER TO ALL OTHER PLANS, SECTIONS, DETAILS, SPECIFICATIONS, AND SCHEDULES FOR COMPLETE SYSTEM REQUIREMENTS.
 - THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF ANY WORK, AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
 - COORDINATE ALL PENETRATIONS OF FLOOR, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED WITH A FIRE RATED GASKET EQUAL TO OR EXCEEDING THE CONSTRUCTION FIRE RATING.
 - ALL MATERIALS IN THE RETURN AIR PLenum SHALL HAVE A MAXIMUM TEMPERATURE RISE OF 20°F. ALL MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 603.6 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
 - FLEXIBLE AIR DUCTS SHALL CONFORM TO UL181 IN ACCORDANCE WITH SECTION 603.6 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. LENGTH OF FLEX DUCT SHALL NOT EXCEED 5 FT.
 - ALL MECHANICAL EQUIPMENT SHALL BE LABELED AS TO THE AREAS(S) SERVED IN ACCORDANCE WITH SECTION 504.11 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
 - PROVIDE ACCESS DOORS OR OTHER MEANS OF APPROVED ACCESS TO ALL EQUIPMENT ROOMS AND MECHANICAL CLOSETS. ACCESS DOORS SHALL BE LABELED ON THE ACCESS DOOR AND ON THE CEILING BELOW.
 - PROVIDE AND INSTALL BALANCING DAMPERS AT EACH BRANCH TAKE-OFF OF SUPPLY AND EXHAUST AIR SYSTEMS. PROVIDE AND INSTALL BALANCING DAMPER AT EACH BRANCH TAKE-OFF OF RETURN SYSTEMS WHERE INDICATED.
 - MOUNT SPACE TEMPERATURE SENSORS, THERMOSTATS, OCCUPANCY SENSORS, AND REMOTE CONTROL DEVICES WITH CENTERLINE AT 48" AFF UNLESS OTHER WAS INDICATED.
 - REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED IN STRICT ACCORDANCE WITH THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. COPPER REFRIGERANT PIPING SHALL BE PROTECTED FROM POTENTIAL DAMAGE.
 - COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE 120V OUTLET WITHIN 25 FT. OF ALL EXTERIOR MECHANICAL EQUIPMENT.
 - ALL FRESH AIR INTAKES AND EXHAUST OPENINGS SHALL HAVE 1/4" MESH BIRD SCREENS.
 - PROVIDE BALANCING REPORT IN ACCORDANCE WITH THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. SUBMIT TO THE ARCHITECT FOR FINAL APPROVAL. PROVIDE BALANCING REPORT TO INSPECTOR AT TIME OF HEATING FINAL INSPECTION.
 - DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH THE SPECIFICATIONS CODE. SECTION 503.2.7 OF THE INTERNATIONAL ENERGY CONSERVATION CODE.
 - PROVIDE AND INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS IN HYDROIC PIPING.
 - ALL HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO TERMINAL VALVES AT ALL LOW POINTS IN HYDROIC PIPING.
 - MANY AREAS OF CONSTRUCTION ARE VERY CONGESTED. INSTALLATION OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT THERE IS ADEQUATE ROOM FOR ALL MATERIALS AND EQUIPMENT. MATERIALS AND EQUIPMENT WHICH DOES NOT ALLOW FOR REMAINING MATERIALS AND EQUIPMENT WILL BE REMOVED AND RELOCATED AT NO COST TO THE OWNER. IN GENERAL, PREFERENCE SHALL BE GIVEN TO NEW CONSTRUCTION OVER EXISTING CONSTRUCTION.
 - DUCTWORK, CABLE TRAY, HYDROIC PIPING, SPRINKLER PIPING AND CONDUIT RESPECTIVELY.)
- KEYNOTES**
 - MOUNT NEW DIFFUSERS AND RETURN GRILLS IN LOCATIONS SHOWN.
 - NEW VAV UNITS. SEE "VAV UNIT COIL CONNECTION WITH 2-WAY VALVE DETAIL" ON SHEET H8.
 - NEW HEATING HOT WATER PIPING. SEE "HEATING HOT WATER PIPING SUPPORT HANGER DETAIL" ON SHEET H8.
 - NEW CABINET UNIT HEATER. SEE "CABINET UNIT HEATER HOT WATER PIPING DIAGRAM" ON SHEET H8.



Drawing Title		Project Title	
FIRST FLOOR MECHANICAL NEW WORK PLAN		REPLACE AIR HANDLING UNIT BUILDING 5	
Approved:	Medical Center Director	Location	555 NORTH ASHBLAKE GRAND JUNCTION, CO 81501
Approved:	Assistant Administrator, Engineering Department	Date	April 15, 2009
		Checked	TBS
		Drawn	DLS

Project Number	578-10-106
Building Number	BUILDING NO. 5
Drawing Number	H6



35% REVIEW	04/30/2009
75% REVIEW	05/21/2009
100% FINAL	06/05/2009
Revised	DMS